

200 Series Waterborne Acrylic Urethane Enamel

Substrates (Direct)²

- Plastics¹
- Fiberglass¹
- Vinyl
- Fiberboard
- Wood

Substrates (Over primer)

- Cold rolled steel
- Hot rolled steel
- Blasted steel
- Aluminum
- Galvaneal

Suggested Primers

- *Aquacron* 390-9300 Series

End Use Markets

- Patio and entry doors
- Windows, molding and trim
- Fiberglass composites
- Primed wood components

Product Codes

- MV200CLR-B : Low gloss clear
- MV200WHT-B : Low gloss white
- MV200CLR-E : Mid gloss clear
- MV200WHT-E : Mid gloss white

Specifications

- AAMA 2603 Prefinished aluminum
- AAMA 623 Prefinished fiberglass
- AAMA 613 Prefinished vinyl
- WDMA TM-12 Prefinished wood

AQUACRON™ 200 delivers high-performing substrate protection through innovative single component waterborne acrylic urethane technology. With outstanding UV-durability and robust adhesion to a wide variety of composite, fiberglass, and primed wood substrates—*Aquacron 200* is an ideal product platform for resilient exterior / interior performance on difficult to adhere to substrates¹.

Product Highlights

- Fast drying
- Excellent exterior durability
- Available in a wide range of colors and gloss
- Outstanding adhesion to a variety of substrates
- Strong chemical resistance
- VOC <2.0 lbs./gal. (240 g/L)
- Tap water reduction and clean-up
- Excellent application properties with various spray equipment

Physical Properties

Property	Value
Solids % by weight	37.0 – 52.0
Solids % by volume	34.4 – 38.6
Weight / Gallon	8.6 – 10.6 lbs./gal. (1032 – 1272 g/L)
Coverage @ 1 mil, 100% TE	577 – 587 ft. ² /gal. (53 – 55 m ² /3.785L)
60° Gloss	10 – 50
Package viscosity	20 – 40" Zahn #3 Cup
VOC (less water)	2.00 lbs./gal. (240 g/L)
Shelf life	1 year

Performance Properties

Test	Result*
Pencil hardness	2B - H
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	250 hours
Humidity	1500 hours

*results obtained over iron phosphate CRS panels



AQUACRON™ 200 Series

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Substrate Protection

The surface must be clean and free of all surface contamination. A chemical pretreatment such as PPG Chemfos® KA Cleaner/Coater or a similar conversion coating will improve the performance properties of the coating system. See your PPG Representative for recommendations.

Cure Schedule

Paint film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

Physical Properties

Air Dry Times³

To Touch	30 min.
To Handle	1 hour
To Topcoat	30 min.

Force Dry Times

Flash Time	15 – 20 min. (ambient)
Temperature	120°F (49°C)
Time at Temperature	10 – 30 min.

Footnotes

1. For exterior applications of heat sensitive substrates like vinyl and PVC, PPG Heat Reflective Colorants should be used.
2. Due to the variability in wood, plastic and fiberglass substrates, it's highly recommended to test adhesion on a small sample before application
3. Excess film thickness will retard dry times and affect the recoat window. Do not apply at temperatures below 50°F (10°C).

The technical data presented is information believed by PPG to be currently accurate; however, no guarantee of accuracy, comprehensiveness or performance is given or implied. Continuous improvements in coating technology may cause future technical data to vary from what is in this document. Product is intended for application by trained personnel in a factory or shop application. Do not attempt to use product without the current Safety Data Sheet. The performance of a product can fluctuate due to surface preparation technique, method of application, operating conditions, the material it is applied to or with, and use. It is strongly recommended that products be tested with respect to these factors prior to full scale use.

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Mix Directions

Reduction	Water, up to 10% if needed
Line/Flush Clean Up	Soap and water, TFA880-70 or MV389C

Application

Equipment	Conventional, HVLP, air-assisted airless, airless
Recommended Wet Film Build	2.8 – 5.6 mils 71 – 142 microns
Recommended Dry Film Build	1.0 – 2.0 mils 25 – 51 microns

Additional Information

In-Service Temperature: 180° (82°C)
Do not apply at temperatures below 50° (10°C)
Protect from freezing

